

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/550,327
Source: PG/10
Date Processed by STIC: 10/5/05

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PCT

RAW SEQUENCE LISTING

DATE: 10/05/2005

PATENT APPLICATION: US/10/550,327

TIME: 16:16:11

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\10052005\J550327.raw

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3 <110> APPLICANT: Bayer AG, BHC
5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with
Endothelial
6      Differentiation, Sphingolipid G-Protein-Coupled Receptor 6 (EDG6)
8 <130> FILE REFERENCE: Le A 36 643
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/550,327
C--> 10 <141> CURRENT FILING DATE: 2005-09-22
10 <160> NUMBER OF SEQ ID NOS: 33
12 <170> SOFTWARE: PatentIn version 3.1
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 1566
16 <212> TYPE: DNA
17 <213> ORGANISM: Homo sapiens
19 <400> SEQUENCE: 1
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24 ccggtctggc gggcgcgggg ggccggagga tggcggcctg ggggccctgc gggggctgtc      180
26 ggtggccgcc agctgcctgg tgggtgctga gaacttgctg gtgctggcgg ccatcaccag      240
28 ccacatgcgg tcgcgacgct gggctacta ttgcctggtg aacatcacgc tgagtgacct      300
30 gctcacgggc gcggcctacc tggccaacgt gctgctgtcg ggggcccgca ccttccgtct      360
32 ggcgcccgcc cagtgggtcc tacgggaggg cctgctcttc accgccctgg ccgcctccac      420
34 cttcagcctg ctcttcaact caggggagcg ctttgccacc atggtgcggc cgggtggccga      480
36 gagcggggcc accaagacca gccgcgtcta cggtctcatc ggctctgtct ggctgctggc      540
38 cgcgctgctg gggatgctgc ctttgctggg ctggaactgc ctgtgcgcct ttgaccgctg      600
40 ctccagcctt ctgcccctct actccaagcg ctacatcctc ttctgcctgg tgatcttcgc      660
42 cggcgtcctg gccaccatca tgggcctcta tggggccatc ttccgcctgg tgcaggccag      720
44 cgggcagaag gcccacgccc cagcggcccc ccgcaaggcc cgccgcctgc tgaagacggt      780
46 gctgatgata ctgctggcct tcttggtgtg ctggggccca ctcttcgggc tgctgctggc      840
48 cgacgtcttt ggctccaacc tctggggcca ggagtacctg cggggcatgg actggatcct      900
50 ggccctggcc gtctcaact cggcgggtcaa ccccatcatc tactccttcc gcagcaggga      960
52 ggtgtgcaga gccgtgctca gcttcctctg ctgcgggtgt ctccggctgg gcatgcgagg      1020
54 gcccggggac tgcttgcccc gggccgtcga ggctcactcc ggagcttcca ccaccgacag      1080
56 ctctctgagg ccaagggaca gctttcgcgg ctcccgcctc ctcagctttc ggatgcggga      1140
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60 gtgcagccac cgggtgcgtg ccaggcaggc cctcctgggg tacaggaagc tgtgtgcacg      1260
62 cagcctcgcc tgtatgggga gcagggaacg ggacaggccc ccatggtctt cccggtggcc      1320
64 tctcggggct tctgacgcca aatgggcttc ccatggtcac cctggacaag gaggtaacca      1380
66 ccccacctcc ccgtaggagc agagagcacc ctggtgtggg ggcgagtggg tccccacaac      1440
68 cccgcttctg tgtgattctg ggggaagtccc ggcccctctc tgggcctcag tagggctccc      1500
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72 aaaaaa
75 <210> SEQ ID NO: 2
76 <211> LENGTH: 384
77 <212> TYPE: PRT

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78 <213> ORGANISM: Homo sapiens

80 <400> SEQUENCE: 2

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86 Ala Ala Gly Gly His Ser Arg Leu Ile Val Leu His Tyr Asn His Ser
87          20          25          30
90 Gly Arg Leu Ala Gly Arg Gly Gly Pro Glu Asp Gly Gly Leu Gly Ala
91          35          40          45
94 Leu Arg Gly Leu Ser Val Ala Ala Ser Cys Leu Val Val Leu Glu Asn
95          50          55          60
98 Leu Leu Val Leu Ala Ala Ile Thr Ser His Met Arg Ser Arg Arg Trp
99 65          70          75          80
102 Val Tyr Tyr Cys Leu Val Asn Ile Thr Leu Ser Asp Leu Leu Thr Gly
103          85          90          95
106 Ala Ala Tyr Leu Ala Asn Val Leu Leu Ser Gly Ala Arg Thr Phe Arg
107          100          105          110
110 Leu Ala Pro Ala Gln Trp Phe Leu Arg Glu Gly Leu Leu Phe Thr Ala
111          115          120          125
114 Leu Ala Ala Ser Thr Phe Ser Leu Leu Phe Thr Ala Gly Glu Arg Phe
115          130          135          140
118 Ala Thr Met Val Arg Pro Val Ala Glu Ser Gly Ala Thr Lys Thr Ser
119 145          150          155          160
122 Arg Val Tyr Gly Phe Ile Gly Leu Cys Trp Leu Leu Ala Ala Leu Leu
123          165          170          175
126 Gly Met Leu Pro Leu Leu Gly Trp Asn Cys Leu Cys Ala Phe Asp Arg
127          180          185          190
130 Cys Ser Ser Leu Leu Pro Leu Tyr Ser Lys Arg Tyr Ile Leu Phe Cys
131          195          200          205
134 Leu Val Ile Phe Ala Gly Val Leu Ala Thr Ile Met Gly Leu Tyr Gly
135          210          215          220
138 Ala Ile Phe Arg Leu Val Gln Ala Ser Gly Gln Lys Ala Pro Arg Pro
139 225          230          235          240
142 Ala Ala Arg Arg Lys Ala Arg Arg Leu Leu Lys Thr Val Leu Met Ile
143          245          250          255
146 Leu Leu Ala Phe Leu Val Cys Trp Gly Pro Leu Phe Gly Leu Leu Leu
147          260          265          270
150 Ala Asp Val Phe Gly Ser Asn Leu Trp Ala Gln Glu Tyr Leu Arg Gly
151          275          280          285
154 Met Asp Trp Ile Leu Ala Leu Ala Val Leu Asn Ser Ala Val Asn Pro
155          290          295          300
158 Ile Ile Tyr Ser Phe Arg Ser Arg Glu Val Cys Arg Ala Val Leu Ser
159 305          310          315          320
162 Phe Leu Cys Cys Gly Cys Leu Arg Leu Gly Met Arg Gly Pro Gly Asp
163          325          330          335
166 Cys Leu Ala Arg Ala Val Glu Ala His Ser Gly Ala Ser Thr Thr Asp
167          340          345          350
170 Ser Ser Leu Arg Pro Arg Asp Ser Phe Arg Gly Ser Arg Ser Leu Ser
171          355          360          365
174 Phe Arg Met Arg Glu Pro Leu Ser Ser Ile Ser Ser Val Arg Ser Ile

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183 <220> FEATURE:
184 <223> OTHER INFORMATION: forward primer
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187 gtcttttggt ccaacctctg 20
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191 <211> LENGTH: 18
192 <212> TYPE: DNA
193 <213> ORGANISM: artificial sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: reverse primer
198 <400> SEQUENCE: 4
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202 <210> SEQ ID NO: 5
203 <211> LENGTH: 20
204 <212> TYPE: DNA
205 <213> ORGANISM: artificial sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: probe
210 <400> SEQUENCE: 5
211 cccaggagta cctgcggggc 20
214 <210> SEQ ID NO: 6
215 <211> LENGTH: 24
216 <212> TYPE: DNA
217 <213> ORGANISM: artificial sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: S1P1 sense primer
222 <400> SEQUENCE: 6
223 gtgggctgca aggtgaagac ctgt 24
226 <210> SEQ ID NO: 7
227 <211> LENGTH: 24
228 <212> TYPE: DNA
229 <213> ORGANISM: artificial sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: S1P1 antisense primer
234 <400> SEQUENCE: 7
235 tttctggggg tgggaggaat tgtc 24
238 <210> SEQ ID NO: 8
239 <211> LENGTH: 24
240 <212> TYPE: DNA
241 <213> ORGANISM: artificial sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: S1P2 sense primer
246 <400> SEQUENCE: 8
247 gtcacacctct gttgcgccat tgtg 24

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250 <210> SEQ ID NO: 9
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252 <212> TYPE: DNA
253 <213> ORGANISM: artificial sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: S1P2 antisense primer
258 <400> SEQUENCE: 9
259 aggctgaaga cagaggccga gagc 24
262 <210> SEQ ID NO: 10
263 <211> LENGTH: 24
264 <212> TYPE: DNA
265 <213> ORGANISM: artificial sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: S1P3 sense primer
270 <400> SEQUENCE: 10
271 gcccctcct cttcaaggct cagt 24
274 <210> SEQ ID NO: 11
275 <211> LENGTH: 24
276 <212> TYPE: DNA
277 <213> ORGANISM: artificial sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: S1P3 antisense primer
282 <400> SEQUENCE: 11
283 gtggggcagg tcttccttga cctt 24
286 <210> SEQ ID NO: 12
287 <211> LENGTH: 24
288 <212> TYPE: DNA
289 <213> ORGANISM: artificial sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: S1P4 sense primer
294 <400> SEQUENCE: 12
295 tccagccttc tgcccctcta ctcc 24
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299 <211> LENGTH: 24
300 <212> TYPE: DNA
301 <213> ORGANISM: artificial sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: S1P4 antisense primer
306 <400> SEQUENCE: 13
307 caggaaggcc agcaggatca tcag 24
310 <210> SEQ ID NO: 14
311 <211> LENGTH: 20
312 <212> TYPE: DNA
313 <213> ORGANISM: artificial sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: S1P5 sense primer
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322 <210> SEQ ID NO: 15

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323 <211> LENGTH: 20
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327 <220> FEATURE:
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346 <210> SEQ ID NO: 17
347 <211> LENGTH: 20
348 <212> TYPE: DNA
349 <213> ORGANISM: artificial sequence
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352 <223> OTHER INFORMATION: GATA-1 antisense primer
354 <400> SEQUENCE: 17
355 cccaagcttc gtggaactct 20
358 <210> SEQ ID NO: 18
359 <211> LENGTH: 21
360 <212> TYPE: DNA
361 <213> ORGANISM: artificial sequence
363 <220> FEATURE:
364 <223> OTHER INFORMATION: GATA-2 sense primer
366 <400> SEQUENCE: 18
367 tgttgtgcaa attgtcagac g 21
370 <210> SEQ ID NO: 19
371 <211> LENGTH: 21
372 <212> TYPE: DNA
373 <213> ORGANISM: artificial sequence
375 <220> FEATURE:
376 <223> OTHER INFORMATION: GATA-2 antisense primer
378 <400> SEQUENCE: 19
379 cataggtgcc atgtgtccag c 21
382 <210> SEQ ID NO: 20
383 <211> LENGTH: 25
384 <212> TYPE: DNA
385 <213> ORGANISM: artificial sequence
387 <220> FEATURE:
388 <223> OTHER INFORMATION: Fli-1 sense primer
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394 <210> SEQ ID NO: 21
395 <211> LENGTH: 25

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VERIFICATION SUMMARY

DATE: 10/05/2005

PATENT APPLICATION: US/10/550,327

TIME: 16:16:12

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\10052005\J550327.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date